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(54) DEODORIZATION APPARATUS

(57) Abstract:

PURPOSE: To conduct deodorization efficiently, surely, and economically by treating sucked odorous components in a process including reaction and decomposition with ozone, decomposition of residual ozone, washing, adsorption, and discharge.

CONSTITUTION: Air containing odorous components is introduced to a filter part C by a suction fan 4 to remove particles and then introduced to an ozone diffusion part D, where the air is contacted with ozone produced by an ozone generator 12 to be subjected to a decomposition reaction in an ozone decomposition catalyst part E. The air is introduced to a washing-deodorization part F to be washed after the decomposition of residual ozone and then led to an adsorption-deodorization part H to be deodorized by the adsorption of the residual odorous components and the unreacted ozone. The deodorized clean air is discharged selectively into the air from an exhaust part I.

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